Interim Operational Plan Final Recommended Plan

	No WCA-3A Regulatory Releases to SDCS or Shark Slough	WCA-3A Regulatory Releases to SDCS
Regulation Schedule	Deviation schedule for WCA-3A as specified by USACE including raising Zone D to Zone C from Nov 1 to Feb 11. No deviation in WCA-2A regulation schedule.	Deviation schedule for WCA-3A as specified by USACE including raising Zone D to Zone C from Nov 1 to Feb 11. No deviation in WCA-2A regulation schedule.
S-343 A/B and S-344	Closed Nov 1 to July 15 independent of WCA-3A levels.	Closed Nov 1 to July 15 independent of WCA-3A levels.
S-12 A/B/C/D Sandbag culverts under Tram Road by 1 February if necessary.	S-12A closed Nov 1 to Jul 15; S-12B closed Jan 1 to Jul 15; S-12C closed Feb 1 to Jul 15; S-12D no closure dates. Follow WCA 3A regulation schedule after Jul 15. Note: If closure requires regulatory releases to SDCS then switch to operations for regulatory releases to SDCS.	S-12A closed Nov 1 to Jul 15; S-12B closed Jan 1 to Jul 15; S-12C closed Feb 1 to Jul 15; S-12D no closure dates. Follow WCA 3A regulation schedule after Jul 15.
S-333: G-3273 < 6.8' NGVD Degrade the lower four miles of the L-67 extension	55% of the rainfall plan target to NESRS and 45% through the S-12 structures	55% of the rainfall plan target to NESRS, plus as much of the remaining 45% that the S-12s can't discharge to be passed through S-334; and subject to capacity constraints, which are 1350 cfs at S-333, L-29 maximum stage limit, and canal stage limits downstream of S-334.
S-333: G-3273 > 6.8' NGVD	Closed	Match S-333 with S-334 flows
L-29 constraint	9.0 ft	9.0 ft
S-355A&B	Follow the same constraints as S-333. Open whenever gradient allows southerly flow.	Follow the same constraints as S-333. Open whenever gradient allows southerly flow.
S-337	Water Supply	Regulatory releases as per WCA-3A deviation schedule.
S-151	Water Supply	Regulatory releases as per WCA-3A deviation schedule.
S-335	Water Supply The intent is to limit the volume of water passed at S335 to pre-ISOP conditions and not use S332B, S332C, or S332D or other triggers to pass additional flows. Note: It is recognized that under these conditions operations of S-335 would be infrequent.	When making regulatory releases through S-151, match S-335 outflows with inflows from S-151 and S-337 Use S-333/S-334 before S-335/S-151/S-337

S-334	Closed	Pass all or partial S-333 flows
		Depending on stage at G-3273
S-338	Open 5.8	Open 5.8
	Close 5.5	Close 5.4
G-211	Open 6.0	Open 5.7
	Close 5.5	Close 5.3
S-331	Angel's Criteria	Angel's Criteria
S-332B	Pumped up to 575 cfs*	Pumped up to 575 cfs*
Note 1: There will be two	On 5.0	On 4.8
125-cfs pumps and one 75-	Off 4.7**	Off 4.5
cfs pump directed to the west		
seepage reservoir. The	*Pump to capacity if limiting	*Pump to capacity if limiting
remaining two 125-cfs pumps	conditions within the Sparrow	conditions within the Sparrow
will be directed to the north	habitat are not exceeded. There will	habitat are not exceeded. There
seepage reservoir.	be no overflow into the Park.	will be no overflow into the Park.
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Note 2: A new indicator will	**If, after the first 30 days of	
be established for	operation, there is no observed	
Subpopulation F and a new	drawdown at the pump, this stage level will be raised to 4.8	
gauge will be installed about	level will be raised to 4.8	
½ mile west of the weir on		
the western edge of the		
retention area. Pumping will cease after 180 days of above		
ground hydroperiod at the		
new gauge during a year that		
runs from July 15 th to July		
14 th . After water levels		
recede below ground,		
pumping can be resumed at a		
rate that maintains water		
elevations below ground at		
the gauge until the beginning		
of the next year.		
S-332B Seepage Reservoir	400 acres with no overflow to the	400 acres with no overflow to the
11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	west	west
The west reservoir is the		
existing 160-acre reservoir	This seepage reservoir will have a	This seepage reservoir will have a
and is to the west of the pump	normal maximum depth of water of	normal maximum depth of water of
station. The weir will be	2.0 feet. However, if the Corps	2.0 feet. However, if the Corps
relocated from west of the	determines that a flood emergency	determines that a flood emergency
berm to south of the berm to	exists similar to an event like the	exists similar to an event like the
allow overflow into S-332C	"No Name" storm, the depth of	"No Name" storm, the depth of
reservoir.	water would be increased to 4.0	water would be increased to 4.0
	feet.	feet.
The north reservoir is the new		
240-acre reservoir located to		
the north of the pump station		
with a weir to the east of the		
berm.		
Pumping would cease when		
the weir would overflow.		

S332C	Pumped up to 575 cfs*	Pumped up to 575 cfs*
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The S-332C pump capacity is temporary. A new indicator	On 5.00 Off 4.70**	On 4.8 Off 4.5
will be established and a new	OII 4.70***	OII 4.3
gauge will be installed in	* Pump to capacity unless habitat	* Pump to capacity unless habitat
Rocky Glades. Operations	conditions are not being achieved	conditions are not being achieved
will be modifed as necessary	within the Rocky Glades. There	within the Rocky Glades. There
to achieve desired habitat	will be no overflow into the Park.	will be no overflow into the Park.
conditions consistent with the restoration of Taylor Slough	**If, after the first 30 days of	
based on the C-111 GRR.	operation, there is no observed	
	drawdown at the pump, this stage	
	level will be raised to 4.8	
S-332C Seepage Reservoir	300 acres with overflow (if any)	300 acres with overflow (if any)
	back to L-31N canal	back to L31N canal
	This seepage reservoir will have a	This seepage reservoir will have a
	normal maximum depth of water of	normal maximum depth of water of
	2.0 feet. However, if the Corps	2.0 feet. However, if the Corps
	determines that a flood emergency	determines that a flood emergency
	exists similar to an event like the "No Name" storm, the depth of	exists similar to an event like the "No Name" storm, the depth of
	water would be increased to 4.0	water would be increased to 4.0
	feet.	feet.
S-332D	Pumped up to 500 cfs from Jul 16	Pumped up to 500 cfs from Jul 16
	(or the end of the breeding season, as confirmed by FWS) to Nov 31;	(or the end of the breeding season, as confirmed by FWS) to Nov 31;
	325 cfs from Dec 1 to Jan 31; and	325 cfs from Dec 1 to Jan 31; and
	165 cfs* from Feb 1 to Jul 15. Meet	165 cfs* from Feb 1 to Jul 15. Meet
	Taylor Slough Rainfall formula (No	Taylor Slough Rainfall formula (No
	L-31W constraint)	L-31W constraint)
	On 4.85	On 4.7
	Off 4.65	Off 4.5
	*New information will be sought to	*New information will be sought to
	evaluate the feasibility of modifying the 165 cfs constraint	evaluate the feasibility of modifying the 165 cfs constraint
Frog Pond Seepage Reservoir	810 acres with overflow into Taylor	810 acres with overflow into Taylor
	Slough	Slough
	This area and a 11 to	This area and a 11 to
	This seepage reservoir will have a normal maximum depth of water of	This seepage reservoir will have a normal maximum depth of water of
	2.0 feet. However, if Corps	2.0 feet. However, if Corps
	determines that a flood emergency	determines a flood emergency exists
	exists similar to an event like the	similar to an event like the "No
	"No Name" storm, the depth of	Name" storm, the depth of water
	water would be increased to 4.0 feet.	would be increased to 4.0 feet.
	1000	
S-332	Closed	Closed
S-175	Closed	Closed
S-194	Open 5.5	Operated to maximize flood control

	Close 4.8	discharges to coast
	Close 4.6	Open 4.9
		Close 4.5
C 106	0 5.5	
S-196	Open 5.5	Operated to maximize flood control
	Close 4.8	discharges to coast
		Open 4.9
		Close 4.5
S-176	Open 5.0	Open 4.9
	Close 4.75	Close 4.7
S-177	Open 4.2 (see S-197 open)	Open 4.2 (see S-197 open)
	Close 3.6	Close 3.6
S-18C	Open 2.6	Open 2.25
	Close 2.3	Close 2.00
S-197	If S-177 headwater is greater than	If S-177 headwater is greater than
	4.1 or S-18C headwater is greater	4.1 or S-18C headwater is greater
	than 2.8 open 3 culverts	than 2.8 open 3 culverts
	1	1
	If S-177 headwater is greater than	If S-177 headwater is greater than
	4.2 for 24 hours or S-18C	4.2 for 24 hours or S-18C
	headwater is greater than 3.1 open 7	headwater is greater than 3.1 open 7
	culverts	culverts
	Carveres	Carveres
	If S-177 headwater is greater than	If S-177 headwater is greater than
	4.3 or S-18C headwater is greater	4.3 or S-18C headwater is greater
	than 3.3 open 13 culverts	than 3.3 open 13 culverts
	than 3.3 open 13 curverts	than 5.5 open 15 curverts
	Close gates when all the following	Close gates when all the following
	conditions are met:	conditions are met:
	1. S-176 headwater is less than	1. S-176 headwater is less than
	5.2 and S-177 headwater is less	5.2 and S-177 headwater is less
	than 4.2	than 4.2
	2. Storm has moved away from the basin	2. Storm has moved away from the basin
	3. After Conditions 1 and 2 are	3. After Conditions 1 and 2 are
	met, keep the number of S-197	met, keep the number of S-197
	culverts open necessary only to	culverts open necessary only to
	match residual flow through S-	match residual flow through S-
	176. All culverts should be	176. All culverts should be
	closed if S-177 headwater is	closed if S-177 headwater is
	less than 4.1 after all conditions	less than 4.1 after all conditions
	are satisfied.	are satisfied.
S-356	When conditions permit, discharges	The potential for discharges into
	from S356 will go into L-29. The	WCA3B will be determined under
	potential for discharges into	a separate NEPA document. A
	WCA3B will be determined under a	technical team will evaluate
	separate NEPA document. A	pumping limits and operations. The
	technical team will evaluate	pumps will be operated accordingly.
	pumping limits and operations. The	
	pumps will be operated accordingly.	
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